1

	2009					
July	Aug	Sep	Oct	Nov	Dec	Jan

**Primary FS Steps** 

Preliminary FS Tasks

Screening of Screening of Alternatives

Technologies

2. AOPC
1. AOPC Refinements

2. AOPC
5. Screening of Alternatives

Technologies

4. Final
5. SMA
5. SMA
7. SMA
7. Refinement
8. Refinement
8. Refinement

Steps

Types of Issues Addressed

**AOPC to SMA** 

- New data additions	- Subsurface chemistry	- Benthic risk methods	- MNR evaluation
- Data density issues	- Erosive areas	- Urban background/baseline	- EPA BLRA comments
- Filter high non-detects	- Maintenance dredge areas	- Cost vs. risk reduction	
- Refined hilltopping methods	- Physical attributes		
- RA consistency checks	<ul> <li>Current/future land uses</li> </ul>		
- RA risk level definitions	- Structures/shoreline features		
- Background evaluation	<ul> <li>Habitat types and extents</li> </ul>		
- Define site-wide AOPC risks	<ul> <li>Chemicals present</li> </ul>		

Information and Tools Used

<ul> <li>Updated surface sediment data</li> <li>LWG draft AOPCs</li> <li>EPA draft AOPCs</li> <li>Draft BLRA spatial risk methods</li> <li>BLRA-based hilltopping methods</li> <li>Various background statistics</li> </ul>	- Refined AOPCs per Step 1 - Subsurface chemistry - Surface chemistry - Refined key PRGs - Future land uses - Dredge plans - Dredge records - Propwash analysis - Wind/wake wave analysis - HST Model predictions - Grain size data - Bathymetry - Regulatory boundaries - Site uses survey - Aerial photos - City shoreline plans - Shoreline recon CSMs - Non-historical source status - Chemical distributions	- Benthic method agreements - Maps of benthic risk areas - Urban background definition - Sediment chemistry - Sediment trap chemistry - Stormwater loading analysis - Upstream loading analysis - Areas and volumes of SMAs - Prelim cap/dredge unit costs - Risk management levels	- Preliminary fate/transport model runs - EPA expedited BLRA comments - LWG/EPA agreements on BLRA

## Schematic of Areas of Potential Concern (AOPC) to Sediment Management Area (SMA) Refinement Steps

June 29, 2009

2010						
Feb	Mar	Apr	May	Jun	July	Aug

EPA		
Check	Detailed Evaluation of Alternatives	Draft FS
In		